

Autofocus Camera with Liquid Lens

Pixelink has developed a family of USB 3.0 autofocus cameras that seamlessly integrate with liquid lenses providing you with cutting-edge solutions ideal for high-speed imaging applications.



Features

- » One push, high-speed, point to point focus
- » Seamless integration with liquid lenses
- » Focus range of millimeters to infinity, in less than 20 ms
- » Easy integration with Pixelink SDK

Benefits

- » Large range of optical variation: Liquid interface allows for large phase shift variations
- » Sturdiness : Tested for over 100 million cycles with zero performance degradation
- » Shock resistance: Excellent output before and after shock tests
- » High-speed: Reconfigures in tens of milliseconds
- » Low power: Dissipates ~15mW, 10x lower than other systems

Applications

- » Bar-Code Reading
- » Biometrics - Facial and Retinal
- » Inspection
- » Biotechnology
- » Medical Applications



Select the Camera and Autofocus Lens that Fits Your Application

Pixelink has a full line of USB 3.0 autofocus cameras including:

Camera Model	Color Space	Sensor	Resolution	Sensor Size
PL-D721CU	Color	ON Semi Vita 1300	1.3 MP	1/2"
PL-D721MU	Monochrome	ON Semi Vita 1300	1.3 MP	1/2"
PL-D722CU	Color	ON Semi Vita 2000	2.3 MP	2/3"
PL-D722MU	Monochrome	ON Semi Vita 2000	2.3 MP	2/3"
PL-D729MU	Monochrome	ON Semi Mano 9600	9.5 MP	2/3"
PL-D732CU	Color	CMOSIS CMV 2000	2.2 MP	2/3"
PL-D732MU	Monochrome	CMOSIS CMV 2000	2.2 MP	2/3"
PL-D732MU-NIR	Monochrome	CMOSIS CMV 2000	2.2 MP	2/3"
PL-D753CU	Color	Sony IMX421	2.8 MP	2/3"
PL-D753MU	Monochrome	Sony IMX421	2.8 MP	2/3"
PL-D755CU	Color	Sony IMX250	5.0 MP	2/3"
PL-D755MU	Monochrome	Sony IMX250	5.0 MP	2/3"
PL-D775CU	Color	ON Semi Color MT9P006	5.0 MP	1/2.5"
PL-D775MU	Monochrome	ON Semi Mono MT9P031	5.0 MP	1/2.5"
PL-D7715CU	Color	ON Semi MT9F002	15 MP	1/2.3"

Liquid Lens Specifications:

Format	Varioptic C-Mount Lens		Edmund Optics Liquid Lens Cx Series Focal Length Lenses				Varioptic S-Mount Lens (Board Level Only)		
	16 mm	25 mm	12 mm	16mm	25 mm	35 mm	2.6 mm	7.5 mm	9.6 mm
Effective Focal Length	16 mm	25 mm	12 mm	16mm	25 mm	35 mm	2.6 mm	7.5 mm	9.6 mm
Sensor Compatibility	1/3" - 2/3"	1/3" - 2/3"	1/2"	1/2"	2/3"	2/3"	1/2.5"	1/4" - 1/2.5"	1/4" - 1/2.5"
Focus Range	110 mm - ∞	120 mm - ∞	40 mm - ∞	65 mm - ∞	125 mm - ∞	200 mm - ∞	4 mm - ∞	7 mm - ∞	7 mm - ∞

Contact us today for more information on Pixelink autofocus cameras.